Contents of Volume 147

Research Articles

L. E. Deaton (USA)
Oxygen uptake and heart rate of the clam *Polymesoda caroliniana* Bosc in air and in seawater 1

P. Schwinghamer, P. E. Kepkay and A. Foda (Canada)
Oxygen flux and community biomass structure associated with benthic photosynthesis and detritus decomposition 9

G. F. Blanchard (France)
Measurement of meiofauna grazing rates on microphytobenthos: is primary production a limiting factor? 37

G. A. Kendrick (Ecuador)
Recruitment of coralline crusts and filamentous turf algae in the Galapagos archipelago: effect of simulated scour, erosion and accretion 47

P. S. Petraitis (USA)
Recruitment of the mussel *Mytilus edulis* L. on sheltered and exposed shores in Maine, USA 65

C. Harrold, S. Lisin, K. H. Light and S. Tudor (Canada, USA)
Isolating settlement from recruitment of sea urchins 81

L. R. McEdward and F.-S. Chia (USA)
Size and energy content of eggs from echinoderms with pelagic lecithotrophic development 95

C. J. Hurlbut (USA)
Larval substratum selection and postsettlement mortality as determinants of the distribution of two bryozoans 103

T. R. McClanahan and J. D. Kurtis (USA)
Population regulation of the rock-boring sea urchin *Echinometra mathaei* (de Blainville) 121

C. M. Pearce and R. E. Scheibling (Canada)
Effect of macroalgae, microbial films, and conspecifics on the induction of metamorphosis of the green sea urchin *Strongylocentrotus droebachiensis* (Müller) 147

J. B. McClintock, J. Heine, M. Slattery and J. Weston (USA)
Biochemical and energetic composition, population biology, and chemical defense of the antarctic ascidian *Cnemidocarpa verrucosa* Lesson 163

D. Abele-Oeschger and H. Theede (FRG)
Digestion of algal pigments by the common periwinkle *Littorina littorea* L. (Gastropoda) 177

A. B. MacDiarmid, B. Hickey and R. A. Maller (Australia, New Zealand)
Daily movement patterns of the spiny lobster *Jasus edwardsii* (Hutton) on a shallow reef in northern New Zealand 185

S. J. Kennelly (Australia)
Caging experiments to examine the effects of fishes on understorey species in a sublittoral kelp community 207

C. Lee and C. H. Kim (Korea)
Larval development of *Balanus albicostatus* Pilsbry (Cirripedia, Thoracica) reared in the laboratory 231

W. S. Arnold, D. C. Marelli, T. M. Bert, D. S. Jones and I. R. Quitmyer (USA)
Habitat-specific growth of hard clams *Mercenaria mercenaria* (L.) from the Indian River, Florida 245

G. P. Genoni (USA)
Increased burrowing by fiddler crabs *Uca rapax* (Smith) (Decapoda: Ocypodidae) in response to low food supply 267

M. E. Lutcavage and P. L. Lutz (USA)
Voluntary diving metabolism and ventilation in the loggerhead sea turtle 287

Author Index of Volume 147 297